

M 5.7, 10 km NE of Chiautla de Tapia, Mexico

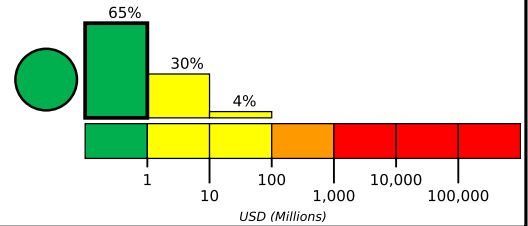
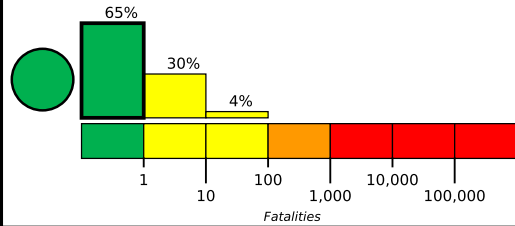
Origin Time: 2023-12-07 20:03:38 UTC (Thu 14:03:38 local)
Location: 18.3638° N 98.5268° W Depth: 50.4 km

Created: 3 weeks, 1 day after earthquake

Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

Estimated Economic Losses

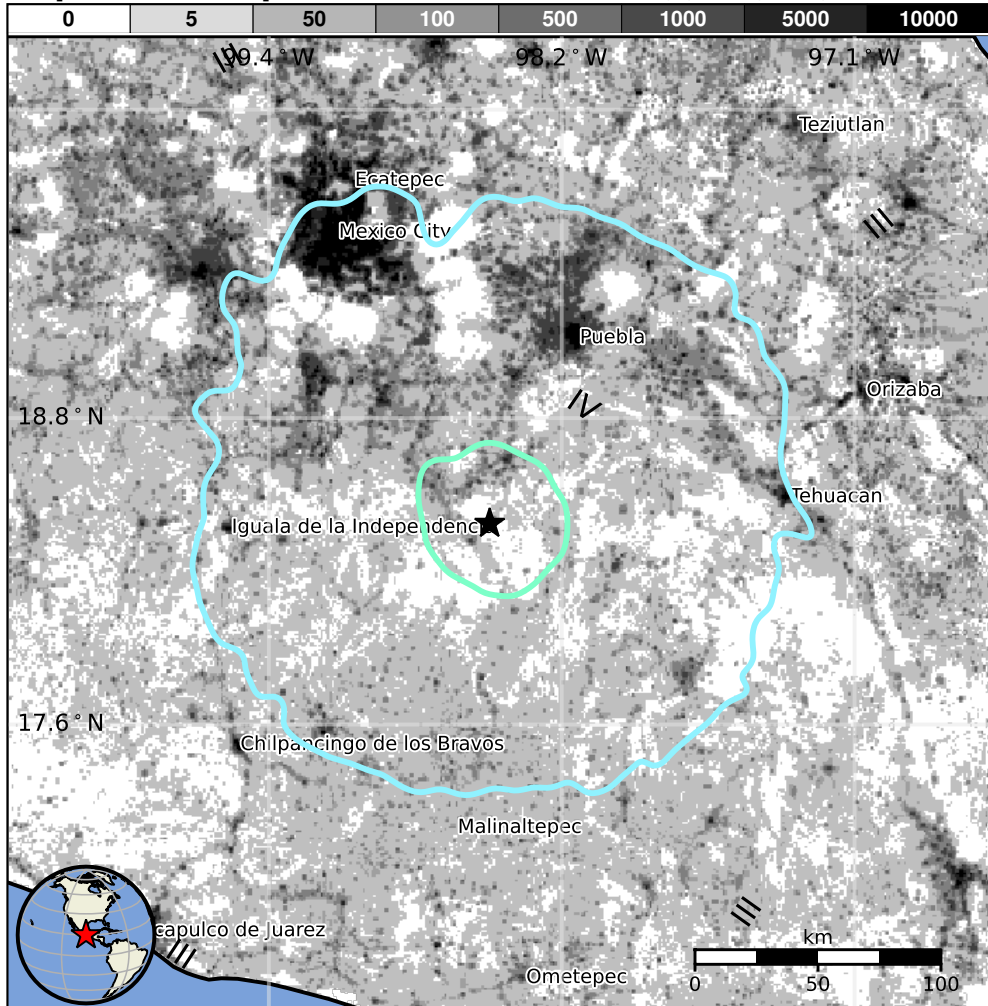


Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	20,180k*	28,670k	241k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure



Structures

Overall, the population in this region resides in structures that are a mix of vulnerable and earthquake resistant construction. The predominant vulnerable building types are mud wall and adobe block with concrete bond beam construction.

Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1995-09-14	168	7.3	V(459k)	3
1999-06-15	113	6.9	VI(178k)	16
1973-08-28	203	7.2	VII(847k)	600

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

from GeoNames.org

MMI	City	Population
V	Ciudad de Chiautla de Tapia	10k
V	Chiautla de Tapia	12k
V	Atencingo	13k
V	Chietla	6k
V	Atzala	1k
V	Ayutla	7k
IV	Puebla	1,590k
IV	Cuernavaca	344k
IV	Mexico City	12,294k
III	Toluca	506k
III	Xalapa de Enriquez	425k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.
<https://earthquake.usgs.gov/earthquakes/eventpage/us7000lh50#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000lh50